

The NZE House

□ Year Built: 2008

□ # Occupants: 4

□ Home Size: 3,000 ft²

Sustainable Building Exterior & Garden

- ❖ Advanced framing techniques
- ❖ Use of engineered and FSC certified lumber
- ❖ Fiber-cement exterior siding and soffits
- ❖ Utilized construction waste
- ❖ Xeriscape
- ❖ Drip irrigation
- ❖ Smart irrigation controller

Electrical Efficiency & Renewable Energy

- ❖ HERS Rating: 8
- ❖ 7.2 kW PV system
- ❖ High-performance windows
- ❖ Passive solar design
- ❖ Only CFL and LED lighting
- ❖ ENERGY STAR appliances



Thermal Efficiency

- ❖ HERS Rating: 8
- ❖ Passive solar design
- ❖ Solar thermal evacuated tubes for space heating and domestic hot water with high-efficiency water heater as backup
- ❖ Magnetic induction cook-top
- ❖ EPA certified wood-burning fireplace
- ❖ Double stud wall (R-35) and ceiling filled with icynene (R-40)
- ❖ High-performance (double heat mirror) windows (R-14)
- ❖ Closed-loop earth-tube for air cooling
- ❖ Programmable thermostat

Sustainable Interior

- ❖ Sustainable flooring
- ❖ Sustainable counter-top material
- ❖ Low-VOC
- ❖ No added formaldehyde Plyboo cabinets
- ❖ Low-flow plumbing fixtures

Green Incentives

- ❖ Amendment 37
- ❖ Xcel Energy Solar Rebate